

## Quiz 2

Name: \_\_\_\_\_

1. Fill in the three-letter code of the missing amino acids in the following sentences (2 points per correct answer):

\_\_\_\_\_ can form disulfide bridges.

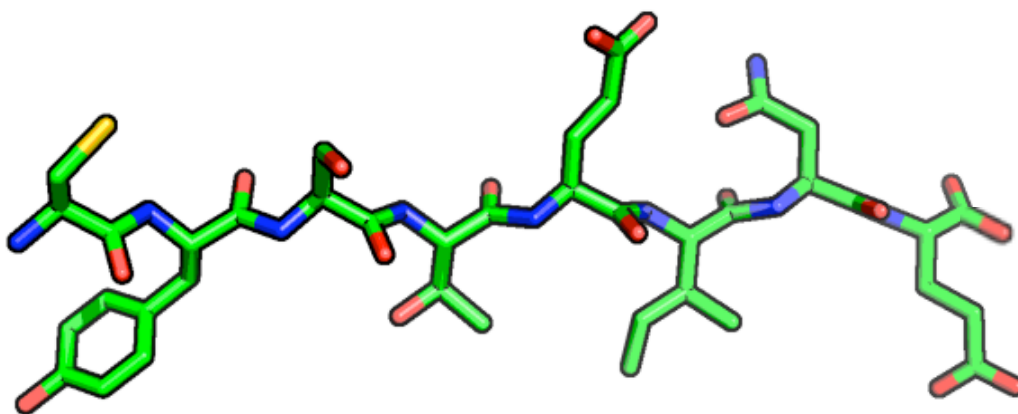
\_\_\_\_\_ is not chiral.

\_\_\_\_\_ is the three-letter code for Q.

\_\_\_\_\_ has a double ring in its side chain.

\_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_ have –OH groups in their side chains.

2. Identify the individual amino acids (name, one- or three-letter code) in the following polypeptide (1 point for each correct amino acid):



3. Sort the following types of secondary structure in order of number of residues between H-bonding partners: (3 points for correct order, 1 point for one placed correctly, 0 points for all in wrong order)?

(a)  $\alpha$ -helix      (b)  $3_{10}$  helix      (c)  $\pi$  helix

\_\_\_\_\_ has fewest residues between H-bonding partners  
\_\_\_\_\_ has medium number of residues between H-bonding partners  
\_\_\_\_\_ has largest number of residues between H-bonding partners